

Title (en)

ELECTROCHEMILUMINESCENT REACTION UTILIZING AMINE-DERIVED REDUCTANT

Title (de)

ELEKTROCHEMILUMINESZENTE REAKTION UNTER VERWENDUNG EINES VON EINEM AMIN ABGELEITETEN REDUKTIONSMITTELS

Title (fr)

REACTION ELECTROCHIMILUMINESCENTE UTILISANT UN REDUCTEUR DERIVE D'UNE AMINE

Publication

**EP 0441894 B1 19971210 (EN)**

Application

**EP 90900518 A 19891031**

Priority

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- US 8904859 W 19891031

Abstract (en)

[origin: WO9005296A1] A composition suitable for use in an ECL assay wherein electromagnetic radiation emitted by said composition is detected, which composition comprises a metal-containing ECL moiety which, when oxidized by exposure to an effective amount of electrochemical energy, is capable of being converted to an excited state from which electromagnetic radiation is emitted upon exposure of the excited ECL moiety to conditions sufficient to induce said emission; an amine or amine moiety which, when oxidized by exposure to an effective amount of electrochemical energy, forms a strong reducing agent in said composition; and an electrolyte capable of functioning as a medium in which said ECL moiety and said amine or amine moiety can be oxidized by exposure to electrochemical energy.

IPC 1-7

**G01N 21/66**; **G01N 33/533**; **G01N 33/58**

IPC 8 full level

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